

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/816,049
Filing Date	March 31, 2004
First Named Inventor	John W. Barrus
Art Unit	2621
Examiner Name	To be assigned
Attorney Docket Number	74451P161

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date	
Considered	

4/10/00

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Application Number	10/816,049
Filing Date	March 31, 2004
First Named Inventor:	John W. Barrus
Art Unit	
Examiner Name	
Attorney Docket Number	074451.P161

of 15

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>YKB</i>	A1	US-2004/0090462 A1	05-13-2004	Graham
	A2	US-2003/0184598 A1	10-02-2003	Graham
	A3	US-2003/0163552 A1	08-28-2003	Savitzky et al.
	A4	US-6,369,811	04-09-2002	Graham et al.
	A5	US-6,332,147	12-18-2001	Moran et al.
	A6	US-6,262,724	07-17-2001	Crow et al.
	A7	US-6,182,090	01-30-2001	Peairs
	A8	US-6,101,503	08-08-2000	Cooper et al.
	A9	US-Re. 36,801	08-01-2000	Logan et al.
	A10	US-6,094,648	07-25-2000	Aalbersberg et al.
	A11	US-6,055,542	04-25-2000	Nielsen et al.
	A12	US-6,028,601	02-22-2000	Machiraju et al.
	A13	US-6,026,409	02-15-2000	Blumenthal
	A14	US-6,021,403	02-01-2000	Horvitz et al.
	A15	US-6,006,218	12-21-1999	Breese et al.
	A16	US-5,999,173	12-07-1999	Ubillos
	A17	US-5,990,934	11-23-1999	Nalwa
	A18	US-5,987,454	11-16-1999	Hobbs
	A19	US-5,986,692	11-16-1999	Logan et al.
	A20	US-5,986,655	11-16-1999	Chiu et al.
	A21	US-5,982,507	11-09-1999	Weiser et al.
	A22	US-5,978,477	11-02-1999	Hull et al.
	A23	US-5,950,187	09-07-1999	Tsuda
	A24	US-5,946,678	08-31-1999	Aalbersberg

 Examiner  
Signature
*Michael K. Boffe*

Date Considered

*4/10/06*

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Substitute for Form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/816,049
				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	2	074451.P161	15	Attorney Docket Number	074451.P161

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
4/KB	A25	US-5,943,679	08-24-1999	Niles et al.
	A26	US-5,933,841	08-03-1999	Schumacher et al.
	A27	US-5,892,536	04-06-1999	Logan et al.
	A28	US-5,873,107	02-16-1999	Borovoy et al.
	A29	US-5,870,770	02-09-1999	Wolfe
	A30	US-5,860,074	01-12-1999	Rowe et al.
	A31	US-5,857,185	01-05-1999	Yamamura
	A32	US-5,838,317	11-17-1998	Bolnick et al.
	A33	US-5,832,474	11-03-1998	Lopresti et al.
	A34	US-5,819,301	10-06-1998	Rowe et al.
	A35	US-5,802,294	09-01-1998	Ludwig et al.
	A36	US-5,793,365	08-11-1998	Tang et al.
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	A38	US-5,781,785	07-14-1998	Rowe et al.
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	A40	US-5,761,655	06-02-1998	Hoffman
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	A47	US-5,694,559	12-02-1997	Hobson et al.
	A48	US-5,686,957	11-11-1997	Baker

Examiner Signature	<i>Michael K. Boff</i>	Date Considered	4/10/06
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Substitute for Form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/816,049
				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	3	074451.P161	15	Attorney Docket Number	074451.P161

U.S. PATENT DOCUMENTS				
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4/KP	A49	US-5,680,636	10-21-1997	Levine et al.
	A50	US-5,638,543	06-10-1997	Pedersen et al.
	A51	US-5,596,700	01-21-1997	Damell et al.
	A52	US-5,481,666	01-02-1996	Nguyen et al.
	A53	US-5,479,600	12-26-1995	Wroblewski et al.
	A54	US-5,422,795	08-15-1995	Levine et al.
	A55	US-5,418,948	05-23-1995	Turtle
	A56	US-5,404,295	04-04-1995	Katz et al.
	A57	US-5,384,703	01-24-1995	Withgott et al.
	A58	US-5,349,658	09-20-1994	O'Rourke et al.
	A59	US-5,309,359	05-03-1994	Katz et al.
	A60	US-5,153,831	10-06-1992	Yianilos
	A61	US-4,823,303	04-18-1989	Terasawa
	A62	US-4,417,239	11-22-1983	Demke et al.

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>3</sup> Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>5</sup>
4/KP 2	B1	JP 8-297677 A	11-12-1996	Xerox Corporation	
	B2	GB 2 290 898 A	01-10-1996	Canon Business Machines, Inc.	
	B3	GB 2 234 609 A	02-06-1991	IBM Corporation	
	B4	GB 2 156 118 A	10-02-1985	Canon Kabushiki Kaisha	
	B5	GB 2 137 788 A	10-10-1984	Gavilan Computer Corporation	

Examiner Signature	<i>Michael K. Zott</i>	Date Considered	4/10/06
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3/KB	B6	EP 1 001 605 A3	05-17-2000	Xerox Corporation	
	B7	EP 802 492 A1	10-22-1997	IBM Corporation	
	B8	EP 762 297 A2	03-12-1997	Sun Microsystems	
	B9	EP 737 927 A2	10-16-1996	Xerox Corporation	
	B10	EP 459 174 A2	12-04-1991	Cina	
	B11	EP 378 848 A2	07-05-1990	IBM Corporation	

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS					T <sup>6</sup>
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
4/KB	C1	ABDEL-MOTTALEB, M. et al., "Face Detection in Complex Environments From Color Images," IEEE ICIP 622-626, 1999.			
	C2	Acrobat Reader Version 2.0 (software application), Adobe Systems Incorporated, screenshots Figures 1-10 (1994).			
	C3	Adobe Acrobat Reader 3.0 screen dumps (fig. 1-3), 1996.			
	C4	Adobe Premiere (video editing software) from <a href="http://www.adobe.com">http://www.adobe.com</a> (2002)			
	C5	Adobe Systems, Inc., "Adobe Photoshop 4.0 User Guide for Macintosh and Windows," 1996, Title Page, Copyright Page, Chap. 2, pp. 30-31.			
	C6	Apple Macintosh system 7 reference manual, pages 30-31 (1991)			
	C7	ARONS, B. "SpeechSkimmer: A System for Interactively Skimming Recorded Speech," ACM Transactions on Computer-Human Interaction 4(1):3-38.			
	C8	BALL, THOMAS et al., "Software Visualization in the Large," IEEE Computer, Vol. 29, No. 4, April 1996, pp. 33-43, <a href="http://www.computer.org/computer/co1996/r4033abs.htm">http://www.computer.org/computer/co1996/r4033abs.htm</a> .			
	C9	BEGOLE et al., "Flexible Collaboration Transparency," doc. ID: ncstri.vatach_cs/TR-98-11, Virginia Polytechnic Institute and State University, 1998.			

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		Number-Kind Code <sup>2</sup> (if known)				
4/5/03 2		US-	2003/0088582 A1	05-08-2003	Pflug	
		US-	5,764,368	06-09-1998	Shibaki et al.	
		US-	5,438,426	08-01-1995	Miake et al.	
		US-	2002/0097426 A1	07-25-2002	Gusmano, et al.	
		US-	5,754,308	05-18-1998	Lopresti, et al.	
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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
4/5/03	B12	WO	99/18523		04-15-1999	Caere Corporation		


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Sheet	6	074451.P161	15	Attorney Docket Number	074451.P161
<b>NON PATENT LITERATURE DOCUMENTS</b>					

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
	C10	BEGOLE et al. "Flexible Collaboration Transparency: Supporting Worker Independence In Replicated Application-Sharing Systems," ACM Transactions On Computer-Human Interaction, June 1999, pp. 95-132, Vol. 6, No. 2.		
	C11	BEGOLE et al., "Supporting Worker Independence in Collaboration Transparency," ACM 0-58113-034-1/98/11, Virginia Polytechnic Institute and State University, pp. 133-142, 1998.		
	C12	BEGOLE et al., "Supporting Worker Independence In Collaboration Transparency," technical report from the Computer Science Department of Virginia Tech, doc. ID: ncstrl.vatech_cs/TR-98-12.		
	C13	BOBICK et al., "A State Based Approach to the Representation and Recognition of Gesture," IEEE Trans. On Pattern Analysis and Machine Intelligence, pp. 1325-1337, 1997.		
	C14	BOGURAEV et al., "Salience-Based Content Characterization Of Text Documents," ACL/EACL'97 Intelligent Scalable Text Summarization Workshop Program, July 11, 1997, 14 pages.		
	C15	BOGURAEV et al., "Salience-based Content Characterization of Text Documents," in Proceedings of Workshop on Intelligent Scalable Text Summarization at the ACL/EACL Conference, Madrid, Spain, 12 pages, July 7-12, 1997.		
	C16	BORECZKY, J. et al., "An Interactive Comic Book Presentation for Exploring Video," Conference on Human Factors in Computing Systems (CHI 2000), ACM Press, pp. 185-192, 2000.		
	C17	BOYKIN et al., "Improving Broadcast News Segmentation Processing," IEEE Multimedia '99, 1999.		
	C18	BOYKIN et al., "Machine Learning of Event Segmentation for News on Demand," Communications of the ACM, 43:35-41, 2000.		
	C19	BRANDOW et al., "Automatic Condensation of Electronic Publications by Sentence Selection," Information Processing and Management, 31(5):875-685, 1995.		
	C20	BROWN et al., "Automatic Content-Based Retrieval of Broadcast News," ACM Multimedia 5, San Francisco, CA, 1995.		
	C21	BYRD, D., "A Scrollbar-based visualization for Document Navigation," doc. ID:xxx.cs.IR/9902028, Computing Research Repository: Information Retrieval, 1999.		
	C22	"c:\...19149920c.wpd - unmodified" Screen Shots of document created in Corel WordPerfect, 4 pages (April 30, 2002)		

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				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	7	074451.P161	15	Attorney Docket Number	074451.P161
<b>NON PATENT LITERATURE DOCUMENTS</b>					

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Examiner Signature	<i>Michael K. Butts</i>	Date Considered	4/10/04
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4KB	C36	EROL, B. et al., "Local Motion Descriptors," IEEE Workshop on Multimedia Signal Processing, 467-472, 2001.			
	C37	ESSA et al., "Coding Analysis Interpretation and Recognition of Facial Expressions," IEEE Trans. on Pattern Analysis and Machine Intelligence, 19:757-763, 1997.			
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4/KB	C50	GREENBERG, Saul, "A Fisheye Text Editor For Relaxed-WYSIWIS Groupware," ACM SIGCHI'96 Conference on Human Factors in Computing System, Companion Proceedings, 1996, pp. 212-213.		
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	C52	GROSS, R. et al., "Face Recognition in a Meeting Room," IEEE International Conference on Automatic Face and Gesture Recognition, 294-299.		
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	C54	HAUPTMANN et al., "Story Segmentation and Detection of Commercials in Broadcast News Video," Advances in Digital Libraries Conference, Santa Barbara, CA April 22-23, 1998.		
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	C60	HILL et al., "Edit Wear and Read Wear," Computer Graphics and Interactive Media Research Group, pp. 3-9, May 1992.		
	C61	HSU, R.L., et al., "Face Detection in Color Images," Proc. International Conference on Image Processing, 1046-1049, 2001.		

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4KB	C62	HU et al., "Multimedia Description Framework (MDF) for Content Descriptions of Audio/Video Documents," Fourth ACM Conference on Digital Libraries (DL '99), August 11-14, 1999.	
	C63	IBM Technical Disclosure Bulletin, "Quick Selection of Window Environment Coordinates," 35:57-60, ISS # 4B, 1992.	
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	C75	LI et al., "Automatic Text Detection and Tracking in Digital Video," IEEE Transactions on Image Processing – Special Issue on Image and Video Processing for Digital Libraries, 9:147-156, 2000.	

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	C81	MA et al., "An Indexing and Browsing System for Home Video," Invited paper, EUSIPCO '2000, 10 <sup>th</sup> European Signal Processing Conference, 5-8, Sept. 2000, Tampere, Finland.		
	C82	MANBER, U., "The Use of Customized Emphasis in Text Visualization," Proceedings of 1997 IEEE Conf. On Information Visualization, pp. 132-138, Aug. 27-29, 1997, London, England.		
	C83	MAYBURY, "News on Demand," Communications of the ACM, 43:33-34, 2000.		
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	C91	OH et al., "Efficient and Cost-Effective Techniques for Browsing and Indexing Large Video Databases," SIGMOD Conference 2000: 415-426.		

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	C96	RUI, Y. et al., "Viewing Meetings Captured by an Omni-Directional Camera," ACM SIGCHI '01, Vol. 3, No. 1, Pages 450-457, Seattle, March 31-April 4, 2001.		
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	C98	SHAHRARAY et al., "Automatic Generation of Pictorial Transcripts of Video Programs," Proceedings of the SPIE – Int. Soc. Opt. Eng. 2417:512-518, 1995.		
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	C101	SMITH et al., "Video Skimming and Characterization Through the Combination of Image and Language Understanding," Computer Vision and Pattern Recognition IEEE 1997.		
	C102	SNOWDON, DAVE et al., "Diffusing Information in Organizational Settings: Learning from Experience," CHI 2002, Volume No. 4, Issue No. 1, April 20-25, Minneapolis, Minnesota, pp. 331-338.		
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				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	13	074451.P161	15	Attorney Docket Number	074451.P161
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
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YKB	C105	STAUFFER, C. et al., "Adaptive Background Mixture Models for Real-Time Tracking," Proceedings of Computer Vision and Pattern Recognition, 246-252.			
	C106	SUDA et al., "Logo and Word Matching Using a General Approach to Signal Registration," Fourth International Conference on Document Analysis and Recognition, Ulm, Germany, August 18-20, 1997, 61-65.			
	C107	SUMITA et al., "Document Structure Extraction for Interactive Document Retrieval Systems," Proceedings of SIGDOC 93, pp. 301-310, Oct. 5-8, 1993, Kitchner, Ontario.			
	C108	SUN, X. et al., "A Motion Activity Descriptor and its Extraction in Compressed Domain," Proc. IEEE Pacific-Rim Conference on Multimedia (PCM '01), 4 Pages, 2001.			
	C109	SUN, X. et al., "Panoramic Video Capturing and Compressed Domain Virtual Camera Control," ACM Multimedia, Pages 329-338, 2001.			
	C110	TAGHVA et al., "An Evaluation Of An Automatic Markup System," SPIE Proceedings, February 6-7 1995, pp. 317-327, Volume 2422.			
	C111	TAGHVA et al., "Evaluation of an Automatic Markup System," Proceedings SPIE Vol. 2422, Document Recognition II, p. 317-327, March 1995.			
	C112	TAXT, T., "Segmentation of Document Images," IEEE, 11(12):1322-1329 (1989).			
	C113	TENNENHOUSE et al., "A Software-Oriented Approach to the Design of Media Processing Environments," Proceedings of the IEEE International Conference on Multimedia Computing and Systems, pp. 435-444, 1994.			
	C114	TONOMURA et al., "VideoMAP and VideoSpaceIcon: Tools for Anatomizing Video Content," Proc. INTERCHI '93, ACM, pp. 131-136, 1993.			
	C115	TRITSCHLER, A. et al., "Improved Speaker Segmentation and Segments Clustering Using the Bayesian Information Criterion," Proc. Of Eurospeech, Pages 679-682, 1999.			
	C116	UCHIHASHI et al., "Summarizing Video Using a Shot Importance Measure and a Frame-Packing Algorithm," Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, Phoenix, AZ, 6:3041-3044, 1999.			
C117	UCHIHASHI et al., "Video Manga: Generating Semantically Meaningful Video Summaries," ACM Multimedia 99, Orlando, Florida, October 30-November 5, 1999.				

Examiner Signature	<i>Michael K. Batts</i>	Date Considered	4/10/06
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4KB	C118	VideoLogger, Automate Video Acquisition And Production, Virage, Inc., [online] [Retrieved on April 26, 2002] Retrieved from the Internet<URL:http://www.virage.com/products/details.cfm?productID=5&categoryID=1>		
	C119	"Video Mail Retrieval Using Voice" Cambridge University Engineering Department Computer Laboratory and Olivetti Research Laboratory summary of research found at http://svr-www.eng.cam.ac.uk/research/projects/vmr/ (1997)		
	C120	WACTLAR et al., "Complementary Video and Audio Analysis for Broadcast News Archives," Communications of the ACM, 43:42-47, 2000.		
	C121	WACTLER et al., "Intelligent Access to Digital Video: Informedia Project," Computer 29:46-52, 1996.		
	C122	WAIBEL, A. et al., "Advances in Automatic Meeting Record Creation and Access," Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, Pages 597-600, 2001.		
	C123	WEISS et al., "Composition and Search with a Video Algebra," IEEE Multimedia 2:12-25, 1995.		
	C124	WILCOX, L. et al., "Annotation and Segmentation for Multimedia Indexing and Retrieval," Proceedings of the Thirty-First annual Hawaii International Conference on System Sciences (Wailea, Hawaii), Volume II, Pages 259-267, January 1998.		
	C125	WITTENBURG et al., Browsing with Dynamic Key Frame Collages in Web-Based Entertainment Video Services," In Proceedings of IEEE International Conference on Multimedia Computing and Systems, June 7-11, 1999, Florence, Italy, 2:913-918, 1999.		
	C126	YANG, J. et al., "Multimodal People ID for a Multimedia Meeting Browser," Proceedings of ACM Multimedia, Pages 159-168, 1999.		
	C127	YANG, M.H. et al., "Detecting Faces in Image: A Survey," IEEE Transactions on Pattern Analysis and Machine Intelligence, 24(1):34-58, 2002.		
	C128	ZHANG et al., "Detection of Text Captions in Compressed Domain Video," International Multimedia Conference Proceedings of the 2000 ACM Workshops on Multimedia 2000, Los Angeles, CA, pp. 201-204.		

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YKB	C129	DAMIANI, E. et al., "A Fine-Grained Access Control System for XML Documents," ACM Transactions on Information and System Security, May 2002, pp. 169-202, Vol. 5, No. 2.			
	C130	European Search Report, EP 05008745, June 6, 2005, 4 pages.			
	C131	GRASSO, A. et al., "Augmenting Recommender Systems By Embedding Interfaces Into Practices," Proceedings of the 33 <sup>rd</sup> Hawaii International Conference on System Sciences 2000 IEEE, pp. 1-9.			
	C132	HOADLEY, C., "A Very Short Introduction to UNIX," The Metropolitan State College of Denver/Information Technology Center for Technology Services, April 30, 2002, pp. 1-18.			
	C133	KHARE, R., "Anatomy Of A URL (and Other Internet-Scale Namespaces, Part 1)," IEEE Internet Computing, September-October, 1999, pp. 78-81.			
	C134	SHEN, H. et al., "Access Control For Collaborative Environments," CSCW 92 Proceedings, November 1992, pgs. 51-58.			
	C135	SLOMAN, M., "Policy Driven Management For Distributed Systems," To be published in Journal of Network and Systems Management, Plenum Press, 1994, Vol. 2, No. 4.			
	C136	"Flowport, Effective Document Management," brochure, 2 pages total.			
	C137	"Flowport, Paper that knows where it's going," specification sheet, 1 page total.			
	C138	< <a href="http://www.zdnet.com.au/printfriendly?AT=2000023555-20270277-4">http://www.zdnet.com.au/printfriendly?AT=2000023555-20270277-4</a> >, "Captured! Three document capture systems tested, November 28, 2002," visited on April 29, 2003, 8 pages total.			
	C139	Xerox FlowPort Software, Solutions for the Legal Market from Xerox, 2001 XEROX Corporation, 2 pages total.			
	C140	"FlowPort™ Xerox Image Routing Software FlowPort Overview," 2003, 4 pages total.			

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